NAME USED ON LABEL: DIPHENYLDIMETHOXYSILANE
CHEMICAL NAME: DIPHENYLDIMETHOXYSILANE
SYNONYMS: DIMETHOXYDIPHENYLSILANE
CHEMICAL FAMILY: ORGANOSILANE
FORMULA: C14H16O2Si
HMIS CODES HEALTH: 3    FLAMMABILITY: 1    REACTIVITY: 1

INGREDIENTS
IDENTITY                       CAS NO.    %       ACGIH
DIPHENYLDIMETHOXYSILANE  6843-66-9  >95  not established
TLV OSHA PEL
not established
(methanol TWA: 200ppm)

PHYSICAL DATA
Boiling Point: 161°C at 15mm        Freezing Point: <0°C
Specific Gravity: 1.077              Vapor Pressure, 25°C: <1mm
Vapor Density (air=1): >1          Solubility in water: insoluble, reacts
% volatiles: NA                     Evaporation rate: NA
Molecular Weight: 244.36            Other: NA
Appearance & Color: Clear to straw liquid with mild odor

FIRE & EXPLOSION DATA
Flash Point, COC: 121°C (250°F)    Autoignition Temp.: not determined
Flammability Limits: not determined
Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.
Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

ENVIRONMENTAL INFORMATION
Spill response: May be hazardous to aquatic life if released to open waters. Cover spill with absorbent material. Transfer to a suitable container for disposal.
Recommended Disposal: May be incinerated. Alternately, absorb onto clay or vermiculite and dispose of absorbent material as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA
Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material Information System; CAS No.: Chemical Abstract Service Registration Number
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On contact with water this compound liberates methanol which is known to have a chronic effect on the central nervous system.
Eye Contact: Will cause immediate or delayed severe eye irritation.
Skin contact: May produce irritation or contact dermatitis which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.
Inhalation: Inhalation of vapors or particulates of may irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.
Oral Toxicity: not determined
Chronic Toxicity: There are no known chronic effects related to this compound.

SUGGESTED FIRST AID
EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention, preferably from an ophthalmologist.
SKIN: Flush with water, then wash with soap and water.
INHALATION: Move exposed individual to fresh air. Call a physician.
INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.
NOTE TO PHYSICIAN: This product reacts with water in the acid contents of the stomach to form methanol. The combination of visual disturbances, metabolic acidosis and formic acid in urine is evidence of methanol poisoning. The therapeutic intravenous administration of ethanol (10 mls/hour) allows methanol to be preferentially oxidized and reduces production of methanol metabolites. Acidosis must be treated with intravenous administration of sodium bicarbonate and methanol elimination may be increased by hemodialysis, as indicated. Treatment should be based on blood methanol levels and acid-base balance.

REACTIVITY DATA
Stability: Stable in sealed containers.
Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame.
Incompatibility (materials to avoid): Reacts with water and moisture in air liberating methanol.
Hazardous decomposition products: Organic Acid Vapors, methanol.

SPECIAL PROTECTION INFORMATION
Ventilation: Local exhaust is required. Mechanical is recommended.
Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor acid gas respirator.
Eye and Face Protection: Chemical worker’s goggles. Do not wear contact lenses.
Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS
For research and industrial use only.
Storage and Handling: Store in sealed containers.

TRANSPORTATION
Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material information System; CAS No.: Chemical Abstract Service Registration Number
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DOT SHIPPING NAME: CHEMICALS, NOI
DOT HAZARD CLASS: Not Regulated
DOT LABEL: Not Required
DOT ID No: Not Required

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